



Risk Analysis Tools for Force Protection and Infrastructure/Asset Protection

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Session IV: Technical and Policy Focus

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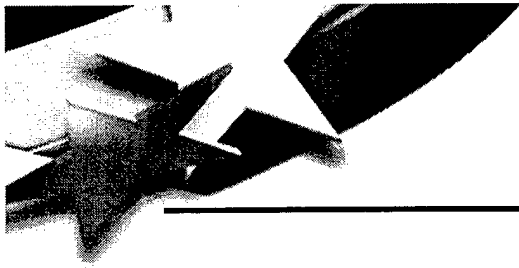
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The Risk Equation

Probability of Attack
Intelligence Agencies
History

Consequences
Agency Direction

*Probability of
Adversary Success*

System Risk

$$R = P_A \times [1 - P_E] \times C$$

Probability of Interruption
Quantitative Analysis Tools
System Testing

P_I

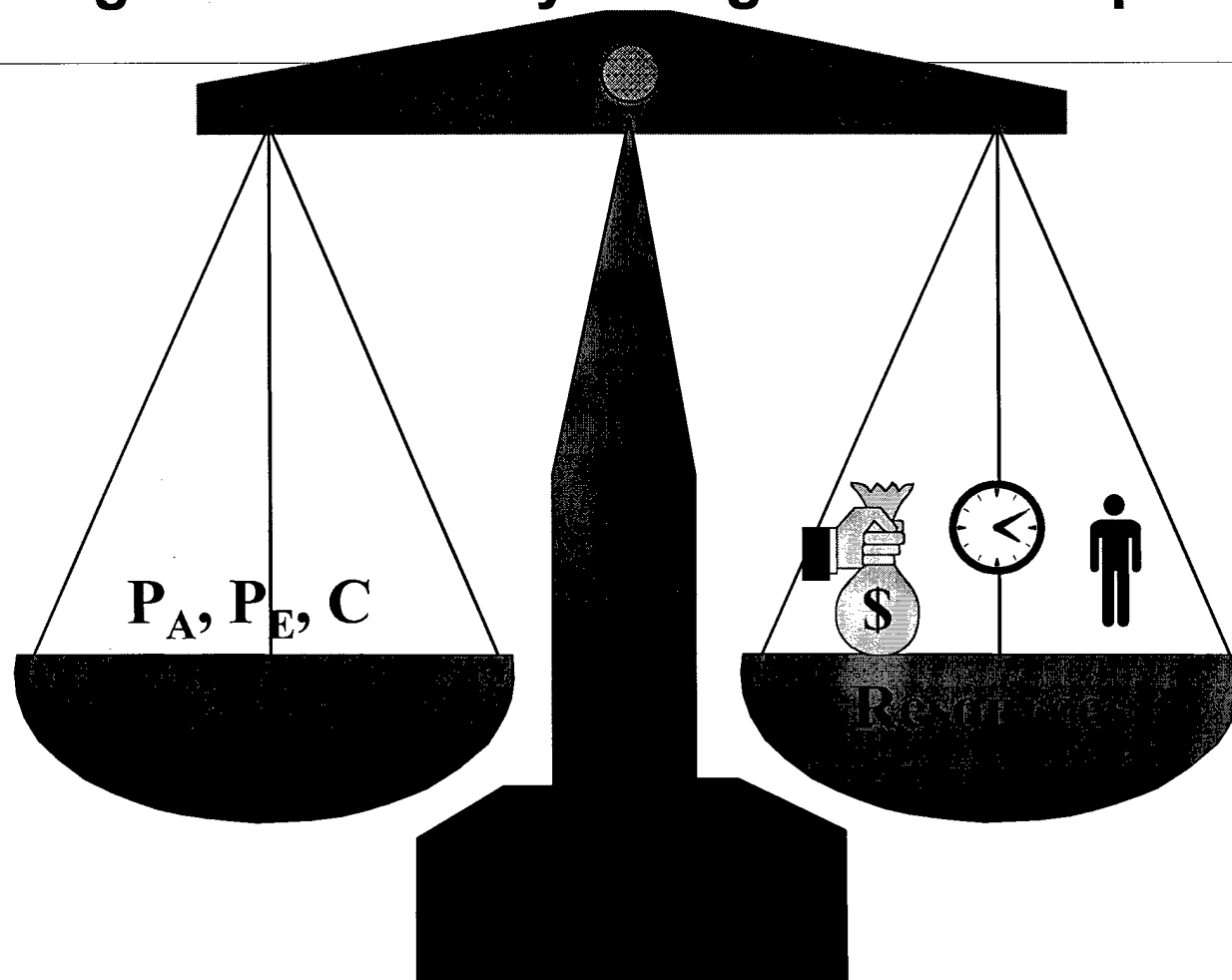
P_N

Probability of Neutralization
Force Engagement Models
Response Force Tests

There are no second chances!

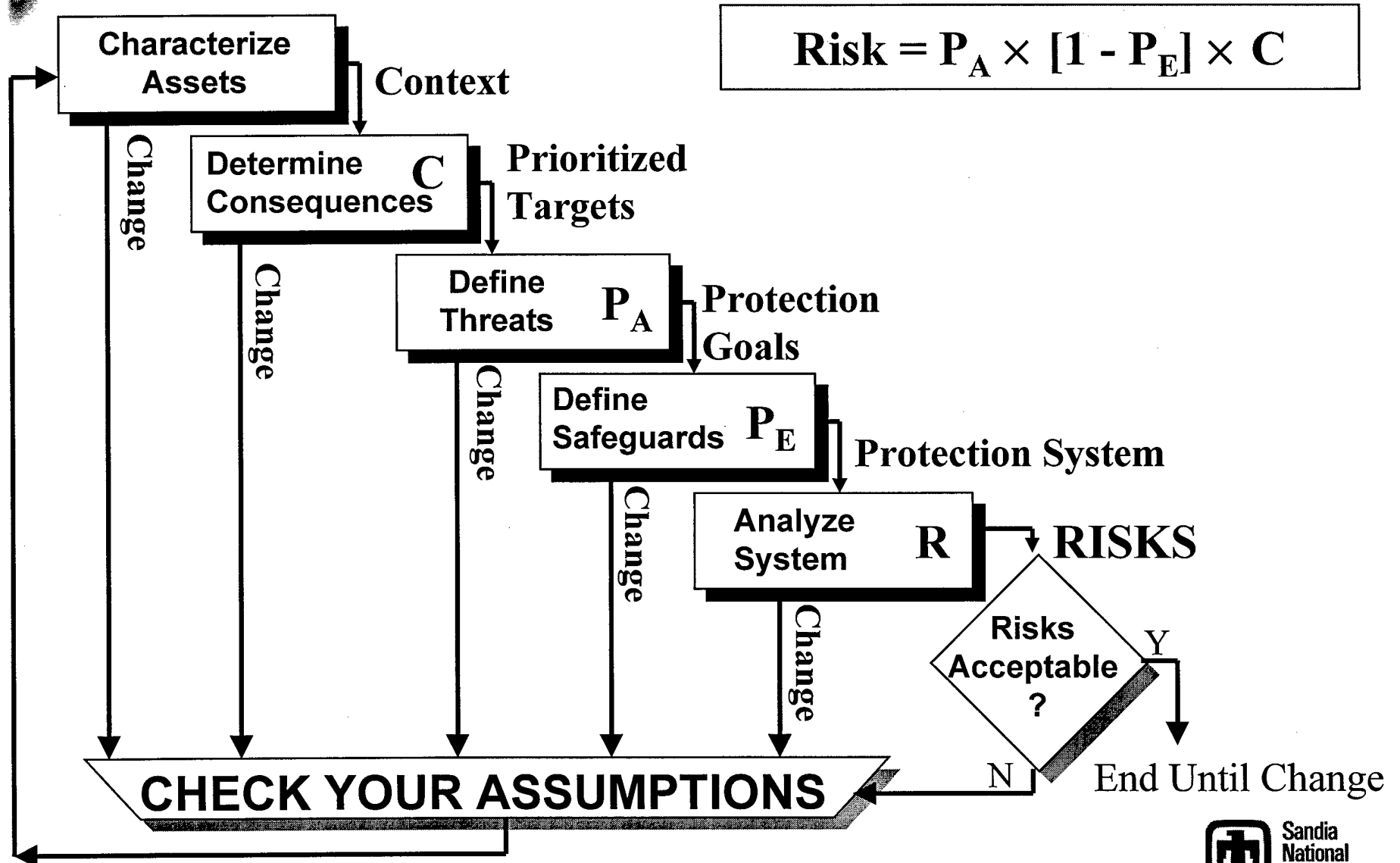
Risk Management Through EnSURE

Engineered Surety Using the Risk Equation



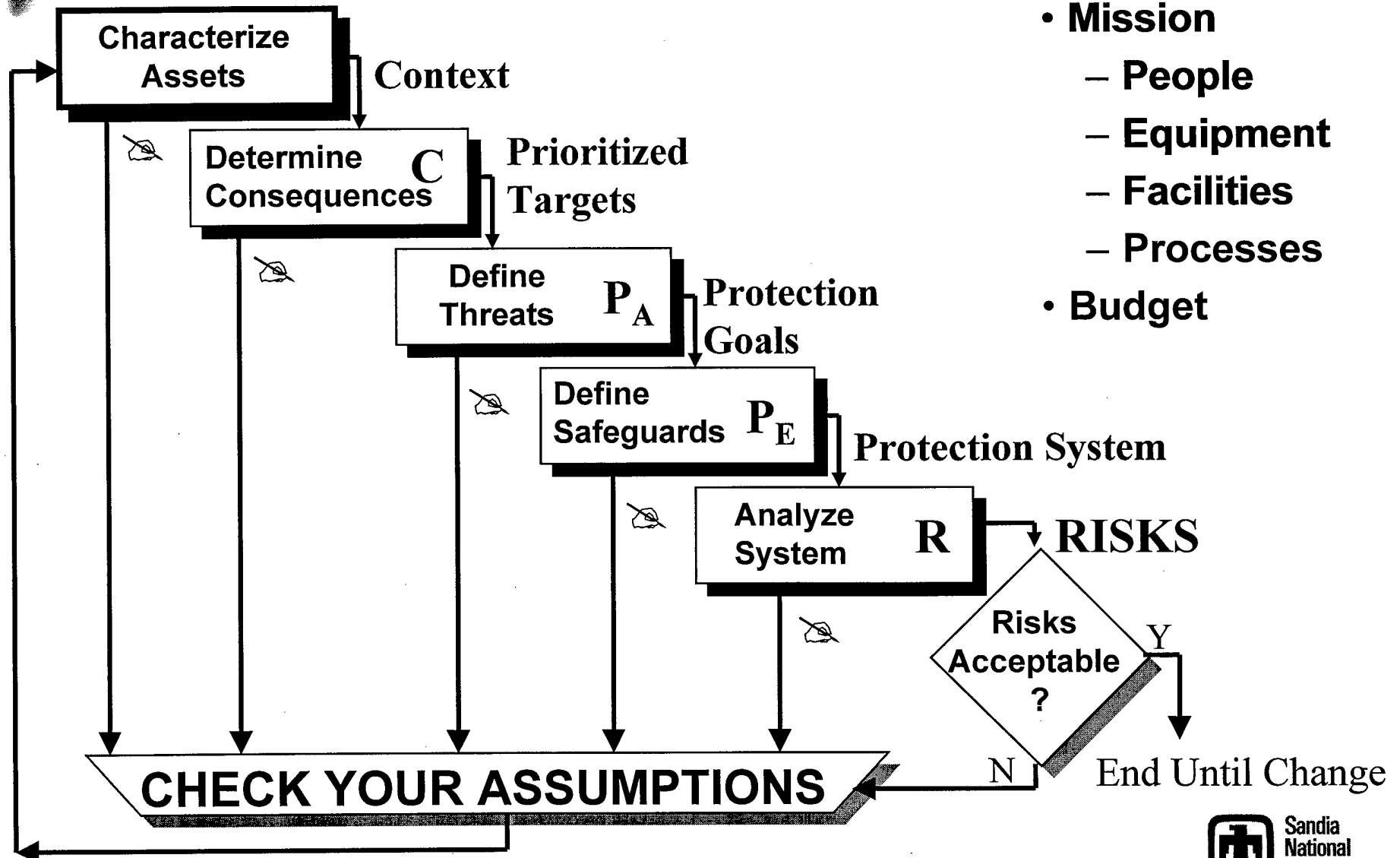
A Process Supported by Tools

The Process

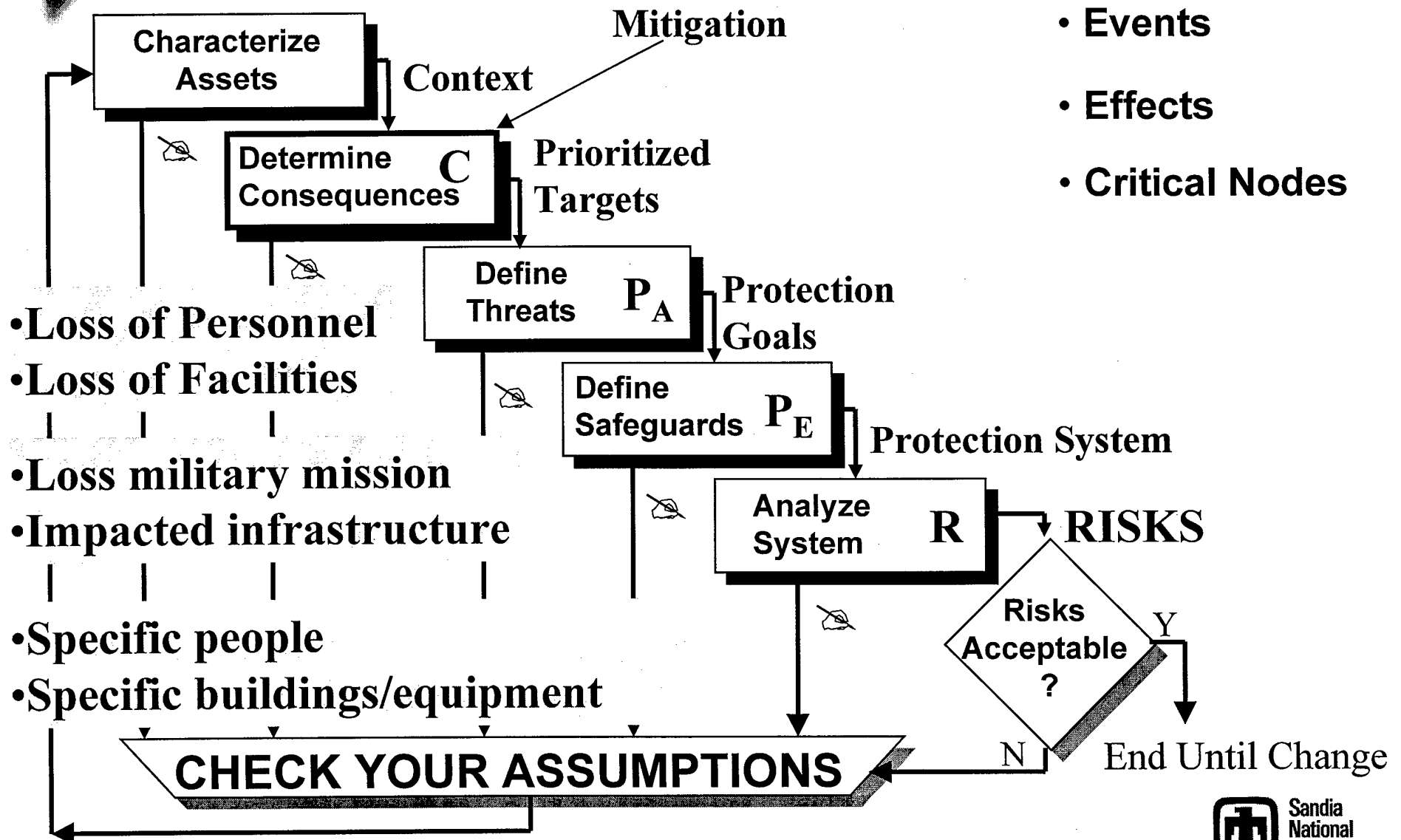


Characterize Assets

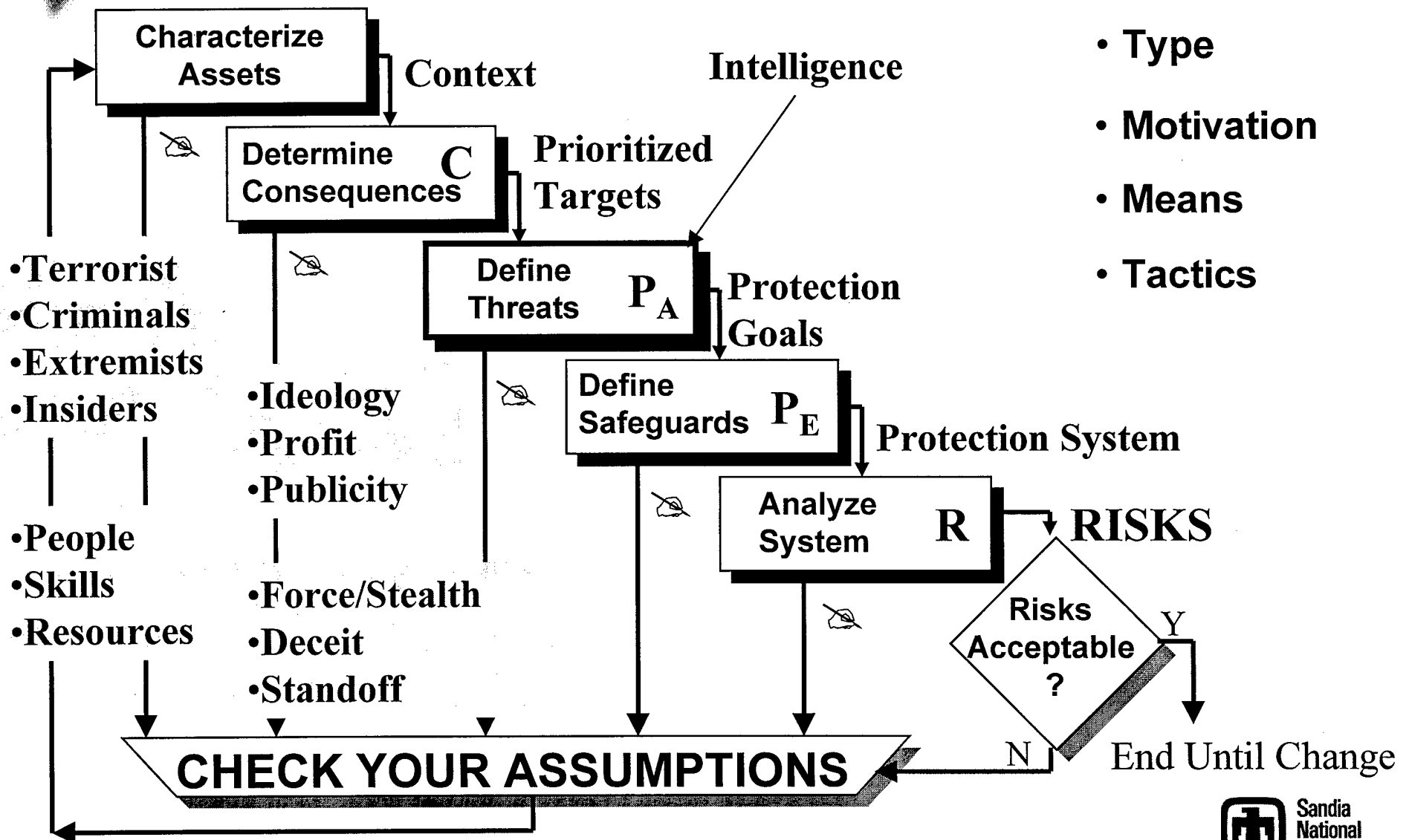
- Mission
 - People
 - Equipment
 - Facilities
 - Processes
- Budget



Determine Consequences

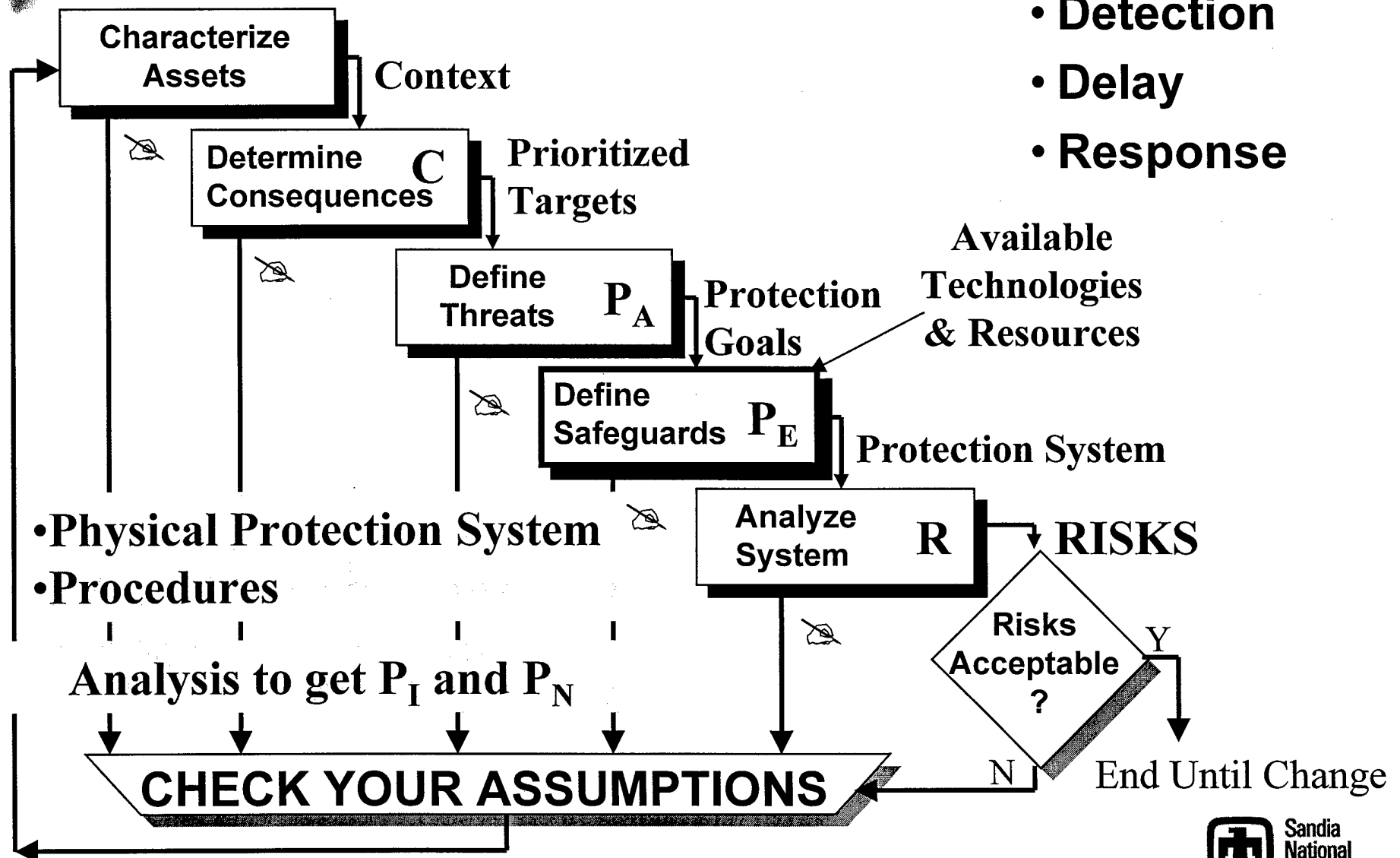


Define Threats



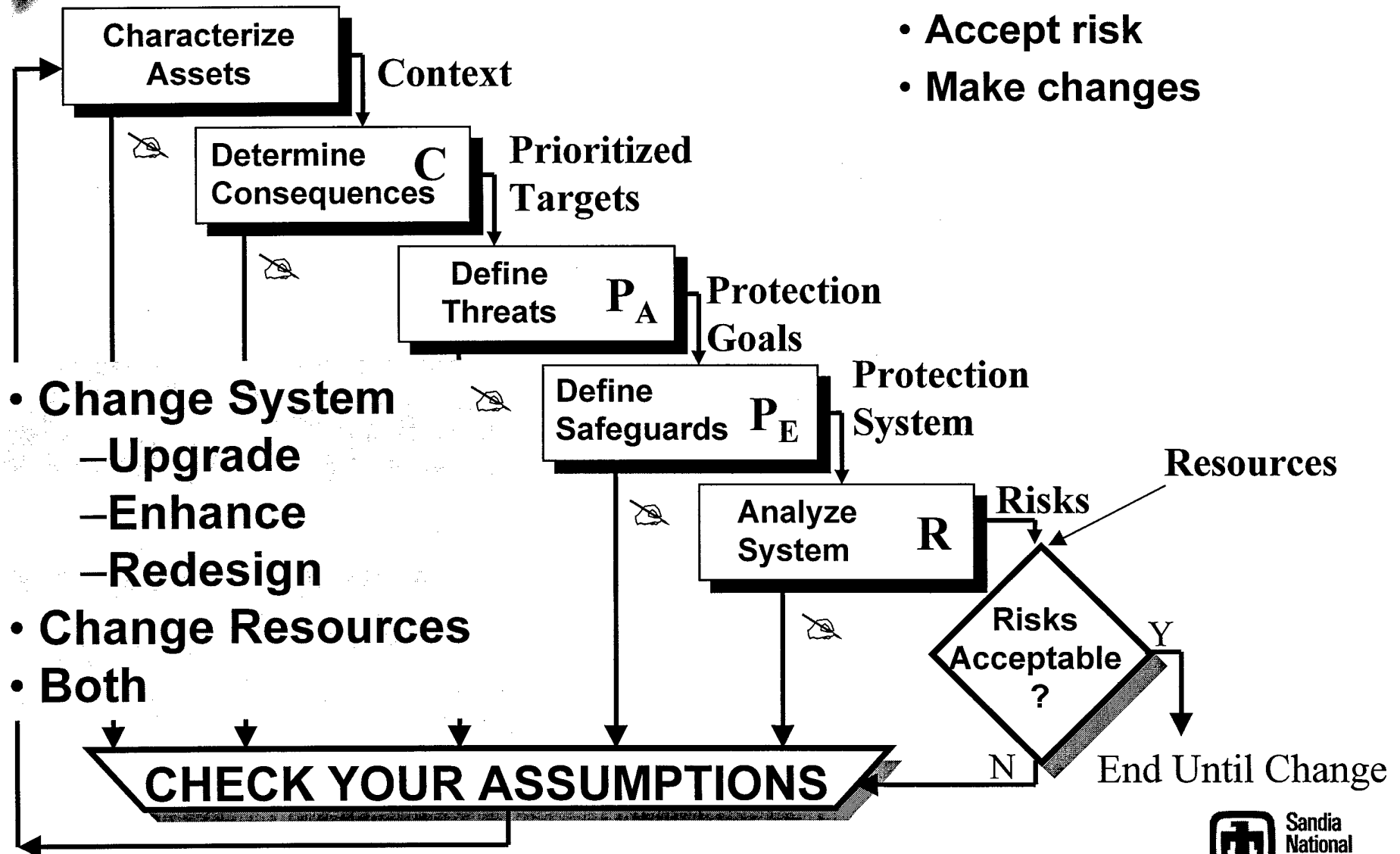
Define Safeguards

- Detection
- Delay
- Response



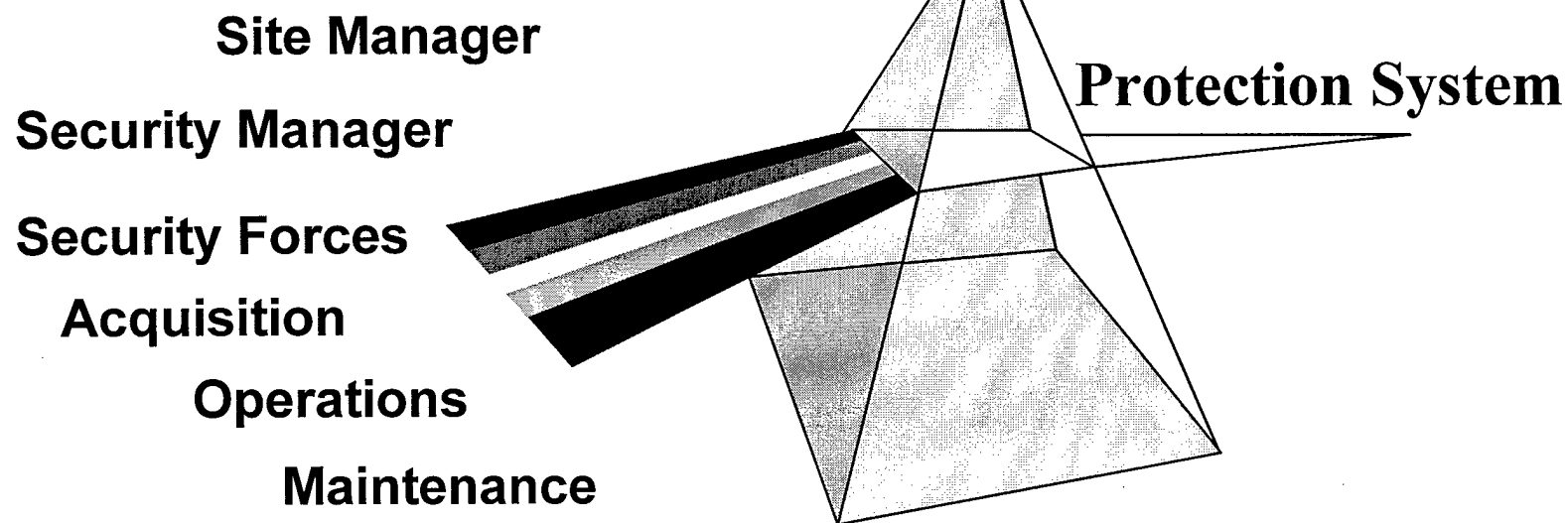


Make the Decision





Viewpoints





Tools

Component

- Characterize the Asset
- Determine the Consequences
- Define the Threats
- Define Safeguards
- Analyze System
- Make the Decision

Status



EnSURE

“Complete the Suite”

•Tools

•Interfaces

•Application Guidance

•Decision Support